PATENT Attorney's Docket No.: 42390,P3465X

#### DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION (FOR INTEL CORPORATION PATENT APPLICATIONS)

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below, next to my name.

I believe I am the original, first, and sole inventor (if only one name is listed below) or an

original, first, and joint invento which is claimed and for which a			subject	t matter
the specification of which				•
United St	on <u>March 4, 19</u> tates Application	96 Number <u>08/610,495</u> pplication Number (if applicable)		ass
I hereby state that I have review specification, including the claim know and do not believe that the of America before my invention any country before my invention the same was not in public use or prior to this application, and that inventor's certificate issued before United States of America on an more than twelve months (for a application) prior to this application) prior to this application of Fed I hereby claim foreign priority (d), of any foreign application(sidentified below any foreign application of the specific that of the the	a(s), as amended a claimed invention thereof, or pate in thereof or more or on sale in the latter the invention had been the date of the application filed a utility patent apparation.  See all information eral Regulations, benefits under Test for patent or iplication for pates.	by any amendment referred to was ever known or used inted or described in any perither than one year prior to the United States of America mass not been patented or mass application in any country me or my legal represer application) or six months (function) or six months (function) in the section 1.56.  Section 1.56.  Sittle 35, United States Code inventor's certificate listed lent or inventor's certificate	d to about the Urinted printed printed printed printed printed printed the stry foreign tatives or a desiral to particle, Sectional printed pr	ove. I do not nited States ublication in cation, that one year subject of an gn to the or assigns sign patent attentability as
Prior Foreign Application(s)			Priori <u>Claim</u>	
(Number) (C	Country)	(Day/Month/Year Filed)	Yes	No
(Number) (C	Country)	(Day/Month/Year Filed)	Yes	No
(Number) (C	Country)	(Day/Month/Year Filed)	Yes	No
I hereby claim the benefit under States provisional application(s	r title 35, United s) listed below	States Code, Section 119(	e) of an	y United
(Application Number)	Filing Date	<del></del>		
(Application Number) INTEL CORPORATION Rev. 06/14/96 (D3 INTEL) cak	Filing Date			

I her by claim the benefit under Title 35, United States Code, Section 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior Unit d States application in the manner provided by the first paragraph of Title 35, United States Code, S ction 112, I acknowledge the duty to disclose all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

(Application Number)	Filing Date	(Status patented, pending, abandoned)
(Application Number)	Filing Date	(Status patented, pending, abandoned)

I hereby appoint Aloysius T. C. AuYeung, Reg. No. 35,432; William Thomas Babbitt, Reg. No. 39,591; Kent D. Baker, Reg. No. 38,822; Jordan Michael Becker, Reg. No. 39,602; Bradley J. Bereznak, Reg. No. 33,474; Michael A. Bernadicou, Reg. No. 35,934; Roger W. Blakely, Jr., Reg. No. 25,831; Gregory D. Caldwell, Reg. No. 39,926; Kent M. Chen, Reg. No. 39,630; Lawrence M. Cho, Reg. No. 39,942; Thomas M. Coester, Reg. No. P39,637; Roland B. Cortes, Reg. No. 39,152; William Donald Davis, Reg. No. 38,428; Daniel M. De Vos, Reg. No. 37,813; Karen L. Feisthamel, Reg. No. 40,264; David R. Halvorson, Reg. No. 33,395; Brian Don Hickman, Reg. No. 35,894; Eric Ho, Reg. No. P39,711; George W Hoover II, Reg. No. 32,992; Eric S. Hyman, Reg. No. 30,139; Jeffrey D. Jacobs, Reg. No. 40,029; Dag H. Johansen, Reg. No. 36,172; Stephen L. King, Reg. No. 19,180; Dolly M. Lee, Reg. No. 39,742; Michael J. Mallie, Reg. No. 36,591; Kimberley G. Nobles, Reg. No. 38,255; Ronald W. Reagin, Reg. No. 20,340; James H. Salter, Reg. No. 35,668; William W. Schaal, Reg. No. 39,018; James C. Scheller, Reg. No. 31,195; Maria McCormack Sobrino, Reg. No. 31,639; Stanley W. Sokoloff, Reg. No. 25,128; Allan T. Sponseller, Reg. No. 38,318; Steven R. Sponseller, Reg. No. 39,384; David R. Stevens, Reg. No. 38,626; Edwin H. Taylor, Reg. No. 25,129; Lester J. Vincent, Reg. No. 31,460; John Patrick Ward, Reg. No. 40,216; Ben J. Yorks, Reg. No. 33,609; and Norman Zafman, Reg. No. 26,250; my attorneys; and Gary B. Goates, Reg.-No. 35,159; Michael Anthony DeSanctis, Reg. No. 39,957; Charles E. Shemwell, Reg. No. 40,171; Edwin A. Sloane, Reg. No. 34,728; and Judith A. Szepesi, Reg. No. 39,393; my patent agents, of BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN, with offices located at 12400 Wilshire Boulevard, 7th Floor, Los Angeles, California 90025, telephone (310) 207-3800, and Joseph R. Bond, Reg. No. 36,458; Richard C. Calderwood, Reg. No. 35,468; James E. Jacobson, Jr., Reg. No. 31,626; Naomi Obinata, Reg. No. 39,320; Thomas C. Reynolds, Reg. No. 32,488; and Raymond J. Werner, Reg. No. 34,752 of INTEL CORPORATION with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith.

Send correspondence to	, BLAKELY, SOKOLOFF, TAYLOR &
(Name of Attorney or Agent)	
ZAFMAN, 12400 Wilshire Boulevard 7th Floor, Los An	geles, California 90025 and direct
	408) 720-8598.
(Name of Attorney or Agent)	·

Full Name of Sole/Firs	t Inventor Derrick Chu Lin		
nventor's Signature		Date	
Residence Foster City.	California (City, State)	_ Citizenship <u>USA</u>	(Country)
Post Office Address <u>1</u> F	13 Barkentine Street oster City. California 9440	4 USA	
Full Name of Second/J	oint Inventor Punit Minocha	<u> </u>	
Inventor's Signature		Date	
Residence <u>Santa Clar</u>	a, California (City, State)	Citizenship <u>India</u>	(Country)
Post Office Address <u>4</u> S	30 Oak Grove Drive, #302 Santa Clara, California 9505	4 USA	
Full Name of Third/Joi	nt Inventor <u>Alexander D. P</u>	eleg	
Inventor's Signature _		Date	
Residence <u>Haifa</u>	(City, State)	Citizenship <u>Israel</u>	(Country)
	8 Hannah Street aifa, ISRAEL		
	oint Inventor <u>Yaakov Yaari</u>		
Inventor's Signature _		7 Date 2	3/8/96
	(City, State)		-
Post Office Address	53 David Pinsky Haifa 34354 ISRAEL		
Full Name of Fifth/Joi	int Inventor <u>Millind Mittal</u>		<u> </u>
Inventor's Signature _		Date	
Residence <u>South Sar</u>	Francisco, California (City, State)	Citizenship <u>USA</u>	(Country)
	149 Hillside Boulevard South San Francisco. Califor	nia 94080 USA	

Full Name of Sixth/Joint Inventor <u>Larry M. Menner</u>	neier	
inventor's Signatur	Date	
Residence <u>Boulder Creek, California</u> (City, State)	Citizenship <u>USA</u>	(Country)
Post Office Address P. O. Box 587  Boulder Creek, California 95006	SUSA	
Full Name of Seventh/Joint Inventor Benny Eitan		
Inventor's Signature	Date	•
Residence <u>Haifa,</u> (City, State)	_ Citizenship <u>Israel</u>	(Country)
Post Office Address <u>25 Stephen Wise</u> Haifa, ISRAEL		

### Title 37, Code of Federal Regulations, Section 1.56 <u>Duty to Disclose Information Material to Patentability</u>

- (a) A patent by its very nature is affected with a public interest. The public interest is best served, and the most effective patent examination occurs when, at the time an application is being examined, the Office is aware of and evaluates the teachings of all information material to patentability. Each individual associated with the filing and prosecution of a patent application has a duty of candor and good faith in dealing with the Office, which includes a duty to disclose to the Office all information known to that individual to be material to patentability as defined in this section. The duty to disclosure information exists with respect to each pending claim until the claim is cancelled or withdrawn from consideration, or the application becomes abandoned. Information material to the patentability of a claim that is cancelled or withdrawn from consideration need not be submitted if the information is not material to the patentability of any claim remaining under consideration in the application. There is no duty to submit information which is not material to the patentability of any existing claim. The duty to disclosure all information known to be material to patentability is deemed to be satisfied if all information known to be material to patentability of any claim issued in a patent was cited by the Office or submitted to the Office in the manner prescribed by §§1.97(b)-(d) and 1.98. However, no patent will be granted on an application in connection with which fraud on the Office was practiced or attempted or the duty of disclosure was violated through bad faith or intentional misconduct. The Office encourages applicants to carefully examine:
- (1) Prior art cited in search reports of a foreign patent office in a counterpart application, and
- (2) The closest information over which individuals associated with the filing or prosecution of a patent application believe any pending claim patentably defines, to make sure that any material information contained therein is disclosed to the Office.
- (b) Under this section, information is material to patentability when it is not cumulative to information already of record or being made or record in the application, and
- (1) It establishes, by itself or in combination with other information, a prima facie case of unpatentability of a claim; or
  - (2) It refutes, or is inconsistent with, a position the applicant takes in:
  - (i) Opposing an argument of unpatentability relied on by the Office, or
  - (ii) Asserting an argument of patentability.

- (c) Individuals associated with the filing or prosecution of a patent application within the meaning of this section are:
  - (1) Each inventor named in the application;
  - (2) Each attorney or agent who prepares or prosecutes the application; and
- (3) Every other person who is substantively involved in the preparation or prosecution of the application and who is associated with the inventor, with the assignee or with anyone to whom there is an obligation to assign the application.
- (d) Individuals other than the attorney, agent or inventor may comply with this section by disclosing information to the attorney, agent, or inventor.

Attorney's Docket No.: 42390.P3465X PATENT

# DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION (FOR INTEL CORPORATION PATENT APPLICATIONS)

As a below named inventor, I hereby declare that:

3, 4

My residence, post office address and citizenship are as stated below, next to my name.

I believe I am the original, first, and sole inventor (if only one name is listed below) or an original, first, and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

h specification of w	hich			
•	is attached hereto.			
XX	was filed on _March 4, 19	996		as
	United States Application			
	or PCT International A			
	and was amended on			<del></del> ·
		(if applicable)		
specification, including know and do not belie of America before my kny country before m before to this application prior to this applicate it for the states of Ame	g the claim(s), as amended the that the claimed invention invention thereof, or pate by invention thereof or mo- sublic use or on sale in the in, and that the invention has ssued before the date of the frica on an application filed onths (for a utility patent a	and the contents of the about by any amendment referre on was ever known or used ented or described in any pre than one year prior to the United States of America mas not been patented or mathis application in any count by me or my legal represent poplication) or six months (for the same of th	d to about the Urinted phis applitude than de the stry foreintatives	ove. I do Inited Sta ublication cation, the one year subject of gn to the or assign
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Send correspondence to	, BLAKELY, SOKOLOFF, TAYLOR &
(Name of Attorney or Agent) ZAFMAN, 12400 Wilshire Boulevard 7th Floor, Los A	

Full Name of Sole/First Inventor Derrick Chu Lin	
Inventor's Signature	Date
Residence <u>Foster City, California</u> (City, State)	Citizenship <u>USA</u> (Country)
Post Office Address 113 Barkentine Street Foster City, California 9440	4 USA
Full Name of Second/Joint Inventor Punit Minocha	1
Inventor's Signature	Date
Residence <u>Santa Clara, California</u> (City, State)	Citizenship <u>India</u> (Country)
Post Office Address <u>430 Oak Grove Drive. #302</u> <u>Santa Clara, California 9505</u>	
Full Name of Third/Joint Inventor <u>Alexander D. P.</u>	eleg
Inventor's Signature	Date
Residence Haifa (City, State)	Citizenship <u>Israel</u> (Country)
Post Office Address <u>38 Hannah Street</u> Haifa, ISRAEL	
Full Name of Fourth/Joint Inventor Yaakov Yaari	
Inventor's Signature	Date
Residence <u>Hanadin. Haifa</u> (City, State)	Citizenship <u>Israel</u> (Country)
Post Office Address 17/2 Soerot Hanadin, Haifa Israel	
Full Name of Fifth/Joint Inventor Millind Mittal	
Inventor's Signature	Date
Residence <u>South San Francisco</u> , California (City, State)	Citizenship <u>USA</u> (Country)
Post Office Address 1149 Hillside Boulevard South San Francisco, Californ	nia 94080 USA

Inventor's Signature	Date
Residence Boulder Creek, California	Citizenship USA
(City, State)	(Country)
Post Office Address P. O. Box 587	
Boulder Creek, California 95	5006 USA
Full Name of Seventh/Joint Inventor Benny Eita	an
Full Name of Seventh/Joint Inventor Benny Eite	
Inventor's Signature	
Full Name of Seventh/Joint Inventor Benny Eite Inventor's Signature	/> Date / L/Aug (9X
Inventor's Signature	Date/ L/Aug (9X)

### Title 37, Code of Federal Regulations, Section 1.56 Duty to Disclose Information Material to Patentability

- (a) A pat nt by its very nature is affected with a public interest. The public interest is best served, and the most effective patent xamination occurs when, at the time an application is being examined, the Office is aware of and evaluates the teachings of all information material to patentability. Each individual associated with the filing and prosecution of a patent application has a duty of candor and good faith in dealing with the Office, which includes a duty to disclose to the Office all information known to that individual to be material to patentability as defined in this section. The duty to disclosure information exists with respect to each pending claim until the claim is cancelled or withdrawn from consideration, or the application becomes abandoned. Information material to the patentability of a claim that is cancelled or withdrawn from consideration need not be submitted if the information is not material to the patentability of any claim remaining under consideration in the application. There is no duty to submit information which is not material to the patentability of any existing claim. The duty to disclosure all information known to be material to patentability is deemed to be satisfied if all information known to be material to patentability of any claim issued in a patent was cited by the Office or submitted to the Office in the manner prescribed by §§1.97(b)-(d) and 1.98. However, no patent will be granted on an application in connection with which fraud on the Office was practiced or attempted or the duty of disclosure was violated through bad faith or intentional misconduct. The Office encourages applicants to carefully examine:
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  - (2) Each attorney or agent who prepares or prosecutes the application; and
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- (d) Individuals other than the attorney, agent or inventor may comply with this section by disclosing information to the attorney, agent, or inventor.

## DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

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My residence, post office address and citizenship are as stated below, next to my name.

I believe I am the original, first, and sole inventor (if only one name is listed below) or any original, first, and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

#### APPARATUS FOR PERFORMING PACKED SHIFT OPERATIONS

the specification of which					
XXX	United States A	pplication Number a ional Application Number	ns 08/610,495		
	and was amend		(if applicable)		
I hereby state that I have re claim(s), as amended by an invention was ever known described in any printed pu application, that the same we to this application, and that issued before the date of the filed by me or my legal rep months (for a design patern	y amendment refer or used in the Unitablication in any cowas not in public use the invention has a is application in an oresentatives or assi	rred to above. I do not know ed States of America before untry before my invention to se or on sale in the United So not been patented or made to y country foreign to the Uni- igns more than twelve mont	w and do not believed the my invention there thereof or more than tates of America mo the subject of an investited States of America	that the claimed of, or patented or one year prior to the ore than one year pri- entor's certificate ca on an application	is ior
I acknowledge the duty to a 37, Code of Federal Regul	disclose all informations, Section 1.5	ation known to me to be mad 66.	terial to patentability	as defined in Title	
I hereby claim foreign pricapplication(s) for patent or	inventor's certifica	Title 35, United States Coote listed below and have als	ie, Section 119(a)-(a	d), of any foreign	
for patent or inventor's cert	tificate having a fili	ng date before that of the ap	oplication on which	priority is claimed:	ion
for patent or inventor's cert Prior Foreign Application	tificate having a fili	ng date before that of the ap	oplication on which	priority is claimed:  y Claimed	ion
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(Number) (Number) (Number) I hereby claim the benefit	(Country) (Country) (Country) under Title 35, Uni	(Day/Month/Year Filed) (Day/Month/Year Filed) (Day/Month/Year Filed)	(Yes) (Yes)	y Claimed  (No)  (No)  (No)	ion

I hereby claim the benefit under Title 35, United States Code, Section 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, Section 112, I acknowledge the duty to disclose all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

<u>.</u>

(Application No.)	(Filing Date)	(Status - patented, pending, abandoned)
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I hereby appoint Aloysius T. C. AuYeung, Reg. No. 35,432; William Thomas Babbitt, Reg. No. 39,591; Kent D. Baker, Reg. No. 38,822; Jordan M. Becker, Reg. No. 39,602; Bradley J. Bereznak, Reg. No. 33,474; Michael A. Bernadicou, Reg. No. 35,934; Roger W. Blakely, Jr., Reg. No. 25,831; Gregory D. Caldwell, Reg. No. 39,926; Kent M. Chen, Reg. No. 39,630; Lawrence M. Cho, Reg. No. P39,942; Thomas M. Coester, Reg. No. P39,637; Roland B. Cortes, Reg. No. 39,152; William Donald Davis, Reg. No. 38,428; Daniel M. De Vos, Reg. No. 37,813; Karen L. Feisthamel, Reg. No. 40,264; Scot A. Griffin, Reg. No. 38,167; David R. Halvorson, Reg. No. 33,395; Brian Don Hickman, Reg. No. 35,894; Eric Ho, Reg. No. P39,711; George W. Hoover II, Reg. No. 32,992; Eric S. Hyman, Reg. No. 30,139; Jeff D. Jacobs, Reg. No. 40,029; Dag H. Johansen, Reg No. 36,172; Stephen L. King, Reg. No. 19,180; Dolly M. Lee, Reg. No. 39,742; Daniel C. Mallery, Reg. No. 33,532; Michael J. Mallie, Reg. No. 36,591; Kimberley G. Nobles, Reg. No. 38,255; Ronald W. Reagin, Reg. No. 20,340; James H. Salter, Reg. No. 35,668; William W. Schaal, Reg. No. 39,018; James C. Scheller, Reg. No. 31,195; Maria McCormack Sobrino, Reg. No. 31,639; Stanley W. Sokoloff, Reg. No. 25,128; Allan T. Sponseller, Reg. No. 38,318; Steven R. Sponseller, Reg. No. 39,384; David R. Stevens, Reg. No. 38,626; Edwin H. Taylor, Reg. No. 25,129; Lester J. Vincent, Reg. No. 31,460; John Patrick Ward, Reg. No. 40,216; Ben J. Yorks, Reg. No. 33,609; and Norman Zafman, Reg. No. 26,250; my attorneys; and Gary B. Goates, Reg. No. 35,159; Michael Anthony DeSanctis, Reg. No. 39,957; Charles E. Shemwell, Reg. No. 40,171; Edwin A. Sloane, Reg. No. 34,728; and Judith A. Szepesi, Reg. No. 39,393; my patent agents; of BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN, with offices located at 12400 Wilshire Boulevard, 7th Floor, Los Angeles, California 90025, telephone (310) 207-3800, with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith.

Full Name of Sole/First Inventor (given name, family name)	Derric	k Chu Lin
Inventor's Signature	Date	6/27/96
Residence Foster City, California	Citizenship	USA
(City, State)	·· <u></u> -	(Country)
P. O. Address 113 Barkentine Street		
Foster City, California 94404 USA		

'uli Name  f	Decommendation of the second o	Punit Minocha
nventor's Sign	nature Funt Min-le	Date 6/28/96
•	Santa Clara, CA	Citizenship India
	(City, State)	(Country)
O. Address	430 Oak Grove Drive #302	
TE .	Santa Clara, CA 95054 USA	
full Name of	Third/Joint Inventor (given name, family name)	Alexander D. Peleg
nventor's Sign	nature	Date
Residence _1	Haifa,	Citizenship Israel
	(City, State)	(Country)
O. Address	38 Hannah Street	
	Haifa, ISRAEL	
Full Name of Inventor's Sign	f Fourth/Joint Inventor (given name, family name)	Yaakov Yaari Date
Residence _	Hanadin, Haifa	Citizenship Israel
	(City, State)	(Country)
P. O. Address	17/2 Soerot	
	Hanadin, Haifa Israel	
Full Name o	f Fifth/Joint Inventor (given name, family name)	Millind Mittal
Inventor's Sign	nature M-2	_ Date
	South San Francisco, California	Citizenship USA
Residence _	(City, State)	(Country)
P. O. Address	1149 Hillside Boulevard	
		•
	South San Francisco, California 94080 USA	

entor's Sign		Citizenship USA	.5-
ience _	Boulder Creek, California  (City, State)	Cluzensinp	(Country)
Address	P.O. Box 587		
•	Boulder Creek, California 95006 USA		
	Company ( )		
l Name of	f Seventh/Joint Inventor (given name, fan	nily name) Benny E	itan
		_	
entor's Sign	nature	Date	
dence _	Haifa,	Citizenship	(Country)
	(City , State)		, ===,)
Address	25 Stephen Wise		
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II <b>Name</b> o entor's Sig	Haifa, ISRAEL  of Eighth/Joint Inventor (given name, fami	_	
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l Name o entor's Sig idence _	Haifa, ISRAEL  of Eighth/Joint Inventor (given name, famignature  (City, State)	Date	(Country
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Il Name of entor's Signidence  D. Address  all Name	Haifa, ISRAEL  of Eighth/Joint Inventor (given name, family practure  (City, State)  of Ninth/Joint Inventor (given name, family properties)	Date Citizenship ly name) Date	

# Title 37, Code of Federal Regulations, Section 1.56 Duty to Disclose Information Material to Patentability.

- (a) A patent by its very nature is affected with a public interest. The public interest is best served, and the most effective patent examination occurs when, at the time an application is being examined, the Office is aware of and evaluates the teachings of all information material to patentability. Each individual associated with the filing and prosecution of a patent application has a duty of candor and good faith in dealing with the Office, which includes a duty to disclose to the Office all information known to that individual to be material to patentability as defined in this section. The duty to disclosure information exists with respect to each pending claim until the claim is cancelled or withdrawn from consideration, or the application becomes abandoned. Information material to the patentability of a claim that is cancelled or withdrawn from consideration need not be submitted if the information is not material to the patentability of any claim remaining under consideration in the application. There is no duty to submit information which is not material to the patentability of any existing claim. The duty to disclosure all information known to be material to patentability is deemed to be satisfied if all information known to be material to patentability of any claim issued in a patent was cited by the Office or submitted to the Office in the manner prescribed by §§1.97(b)-(d) and 1.98. However, no patent will be granted on an application in connection with which fraud on the Office was practiced or attempted or the duty of disclosure was violated through bad faith or intentional misconduct. The Office encourages applicants to carefully examine:
  - (1) Prior art cited in search reports of a foreign patent office in a counterpart application, and
- (2) The closest information over which individuals associated with the filing or prosecution of a patent application believe any pending claim patentably defines, to make sure that any material information contained therein is disclosed to the Office.
- (b) Under this section, information is material to patentability when it is not cumulative to information already of record or being made or record in the application, and
  - (1) It establishes, by itself or in combination with other information, a prima facie case of unpatentability of a claim; or
  - (2) It refutes, or is inconsistent with, a position the applicant takes in:
  - (i) Opposing an argument of unpatentability relied on by the Office, or
- (ii) Asserting an argument of patentability.

- (c) Individuals associated with the filing or prosecution of a patent application within the meaning of this section are:
- (1) Each inventor named in the application;
- (2) Each attorney or agent who prepares or prosecutes the application; and
- (3) Every other person who is substantively involved in the preparation or prosecution of the application and who is associated with the inventor, with the assignee or with anyone to whom there is an obligation to assign the application.
- (d) Individuals other than the attorney, agent or inventor may comply with this section by disclosing information to the attorney, agent, or inventor.

(Application Number)

(Filing Date)

## DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below, next to my name.

I believe I am the original, first, and sole inventor (if only one name is listed below) or any original, first, and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

### APPARATUS FOR PERFORMING PACKED SHIFT OPERATIONS

XXX	is attached hereto was filed on United States Ap or PCT Internationand was amende	plication Numberonal Application Numbe	as 08/610,495 r	
	and was amende		(if applicable)	<del></del>
I hereby state that I have revictiam(s), as amended by any invention was ever known or described in any printed publication, that the same was to this application, and that the issued before the date of this filed by me or my legal representations. I acknowledge the duty to di 37, Code of Federal Regular I hereby claim foreign priori	amendment referr r used in the Unite lication in any cou as not in public use the invention has not application in any esentatives or assignapplication) prior to sclose all informate tions, Section 1.56	red to above. I do not know the dot of the states of America before my invention or on sale in the United of been patented or mady country foreign to the Urans more than twelve more this application.  Title 35. United States Country foreign to the Irans more than twelve more th	now and do not believe ore my invention there in thereof or more than I States of America me e the subject of an invention of the Juited States of Americanths (for a utility paternaterial to patentability material to patentability	e that the claimed eof, or patented or a one year prior to this ore than one year prior entor's certificate ica on an application ent application) or six y as defined in Title
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I hereby claim the benefit under Title 35, United States Code, Section 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, Section 112, I acknowledge the duty to disclose all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

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Full Name of Sole/First Inventor (given name of Sole/First Inventor (given name)	me, family name) Derrick Chu Lin
Inventor's Signature	Date
Residence Foster City, California	Citizenship USA
(City , State)	(Country)
P. O. Address 113 Barkentine Street	
Foster City, California 94404 US	SA

Full Name of Second/Joint Inventor (gven own, leady sum	Punit Minocha
Inventor's Signature	Date
Residence Santa Clara, CA.	Citizenship India
(City , State)	(Country)
P. O. Address 430 Oak Grove Drive #302	
Santa Clara, CA 95054 USA	
•	
Full Name of Third/Joint Inventor (given name, family name)_	Alexander D. Pales
_ 0	Dans 7/28/96
Residence Heifa. (Clry, State)	Citizonship Israel
•	· (Cauntry)
P. O. Address 38 Hamah Street	·
40.00	,
Haila, ISRAEL	
Full Name of Fourth/Joint Inventor (given name, family same)	Vaakov Vaari
Full Name of Fourth/Joint Inventor (given name, family name) Inventor's Signature  Residence Hanadia, Haifa	Date
Full Name of Fourth/Joint Inventor (given name, family same)	Date
Full Name of Fourth/Joint Inventor (given name, family name) Inventor's Signature  Residence Hanadin, Haifa  (City , State)	Citizenship Lenel
Full Name of Fourth/Joint Inventor (given name, family name) Inventor's Signature  Residence Hanadin, Haifa  (City , State)	Citizenship Israel (Country)
Full Name of Fourth/Joint Inventor (given pame, family same) Inventor's Signature Residence Hanadia, Haifs (City, State) P. O. Address 17/2 Socrot	Citizenship Israel (Country)
Full Name of Fourth/Joint Inventor (given name, family name) Inventor's Signature Residence Hanadin, Haifs (City , State)  P. O. Address 17/2 Socrot	Citizenship Israel (Country)
Full Name of Fourth/Joint Inventor (given name, family name) Inventor's Signature Residence Hanadin, Haifa (City , State)  P. O. Address 17/2 Scenot  Hanadin , Haifa Israel	Citizenship Israel (Country)
Full Name of Fourth/Joint Inventor (given name, family name) Inventor's Signature Residence Hanadin, Haifa (City , State)  P. O. Address 17/2 Socrot  Hamadin , Haifa Israel	Citizenship Israel (Country)
Full Name of Fourth/Joint Inventor (given name, family name) Inventor's Signature Residence Handin, Haifs (City, State) P. O. Address 17/2 Scenot  Handin, Haifs Israel Full Name of Fifth/Joint Inventor (given name, family name)	Citizenship Israel (Country)
Full Name of Fourth/Joint Inventor (given name, family name) Inventor's Signature  Residence Hanadin, Haifa (City, State)  P. O. Address 17/2 Scenot  Hanadin, Haifa Israel  Full Name of Fifth/Joint Inventor (given name, family name) inventor's Signature	Citizenship Israel (Country)  Millind Mittal
Full Name of Fourth/Joint Inventor (given name, family name) Inventor's Signature  Residence Handin, Haifs (City, Saste)  P. O. Address 17/2 Socrot  [Sanadin, Haifs Israel  Full Name of Fifth/Joint Inventor (given name, family name)  Inventor's Signature	Citizenship Israel (Country)  Millind Mittal
Full Name of Fourth/Joint Inventor (given name, family name) Inventor's Signature  Residence Hanadin, Haifs (City, State)  P. O. Address 17/2 Scerot  Full Name of Fifth/Joint Inventor (given name, family name) inventor's Signature  Residence South San Francisco, California (City, Same)	Citizenship Lead  (Country)  Millind Mittal  Data  Citizenship USA
Full Name of Fourth/Joint Inventor (given name, family name) Inventor's Signature  Residence Hanadia, Haifs (City, State)  2. O. Address 17/2 Socrot  Hanadia, Haifa Inventor (given name, family name)  aventor's Signature  Residence South San Francisco, California	Citizenship Lead  (Country)  Millind Mittal  Data  Citizenship USA

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Inventor's Sig	mature	Date	
Residence _	Boulder Creek, California		USA
	(Ciry , State)		(Country
P. O. Address	P.O. Box 587	·····	
	Boulder Creek, California 95006 USA		
Full Name o	of Seventh/Joint Inventor (given name, family name)_		enny Eitan
nventor's Sig	nature	_ Date	
Residence _	Haifa,		
	(City, State)	<u> </u>	(Country)
. O. Address	25 Stephen Wise		
	Hoife ICDATI		
	Haifa, ISRAEL		
<b>Full Name of</b> nventor's Sign	f Eighth/Joint Inventor (given name, family name)		
	f Eighth/Joint Inventor (given name, family name)	Date	
nventor's Signesidence	f Eighth/Joint Inventor (given name, family name) nature  (Ciry. State)	Date	
nventor's Signesidence	f Eighth/Joint Inventor (given name, family name)	Date	
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nventor's Signesidence	f Eighth/Joint Inventor (given name, family name) nature  (Ciry. State)	Date	
nventor's Signesidence	f Eighth/Joint Inventor (given name, family name) nature  (Ciry. State)	Date	
nventor's Signesidence	f Eighth/Joint Inventor (given name, family name)	_ Date Citizenship	(Country)
nventor's Signesidence	f Eighth/Joint Inventor (given name, family name)	Date Citizenship	(Country)
esidence O. Address	f Eighth/Joint Inventor (given name, family name) nature  (City, State)  f Ninth/Joint Inventor (given name, family name) nature	Date Citizenship Date	(Country)
esidence O. Address  'ull Name of	f Eighth/Joint Inventor (given name, family name)	Date Citizenship Date	(Country)

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